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FIG. 1

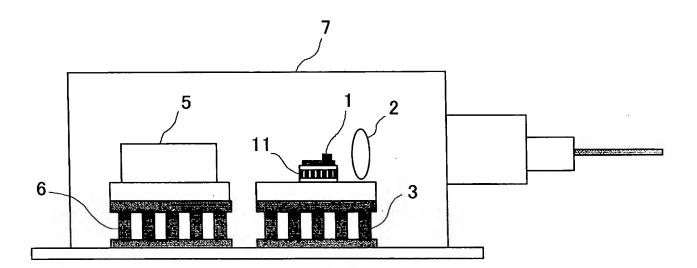
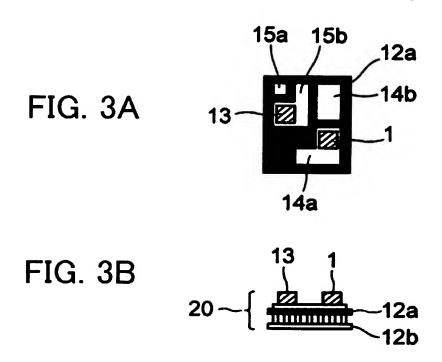
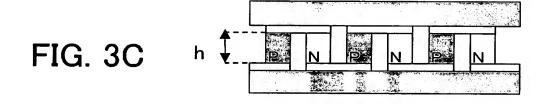


FIG 2

ペルチェ基板面積S (mm²)	2 4 8 16	150 75 37.5 //18.75 // 9.375	250 125 62.5 31.25 15.625	360 (180) 90 45 22.5	600 (//300) 75 37.5	800 400 2000 100 50	1000
J .		150	250	360	009	800	1000

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IG. 4

	a	#			寒	実施例				比較例	29	
		过 計	構造A	構造 B	構造C	構造D	構造E	構造F	構造 G	構造H	構造 1	梅っ
素子発熱量と基板1の面積の比	Qd/S1	mW/mm^2	55.56	55.56	32.61	160.00	55.56	52.08	7.50	20.00	7.03	20.83
■ 基板1と基板2の面積比	S1/S2		0.090	0.090	0.219	0.031	0.045	0.120	1.000	0.625	1.000	0.750
■ TEC の形態係数	L	E E	9.07	9.52	24.30	9.22	4.54	12.10	25.79	29.65	36.11	49.41
■ 基板1の面積	S1	mm^2	6.48	6.48	18.40	2.25	3.24	8.64	48.00	30.00	64.00	48.00
■ チップ底面積の和	Sc1	mm^2	1.81	4.76	8.51	0.92	0.91	2.42	19.60	15.12	27.44	25.20
■ 素子発熱量	B	Μm	360	360	909	360	180	450	360	009	450	1000
■ 紫子発熱量とチップ底面積の和の比	Qd/Sc	mW/mm^2	198.41	75.66	70.55	390.63	198.41	186.01	18.37	39.68	16.40	39.68
■ 消費電力 (環境温度 70°C/LD 温度 0°Cの場合)	×	⋧	2.50	2.50	4.00	2.10	2.00	3.50	5.00	5.50	5.50	9.00

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FIG. 5

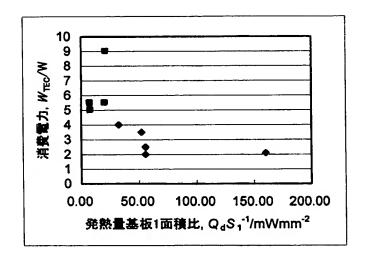


FIG. 6

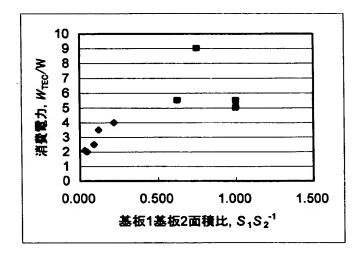


FIG. 7

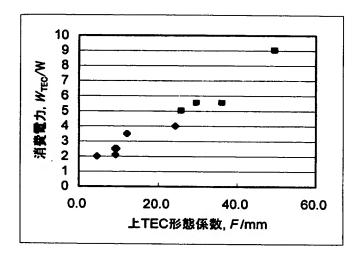
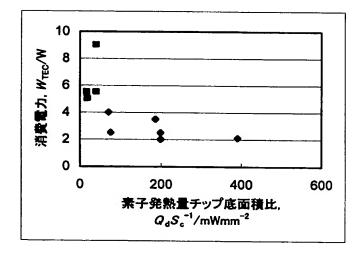


FIG. 8



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FIG. 9

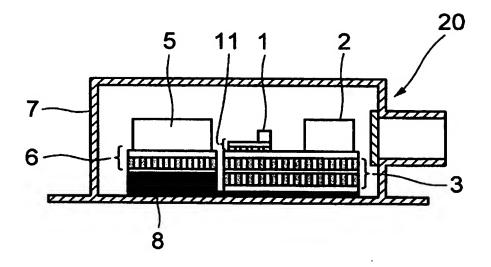


FIG. 10

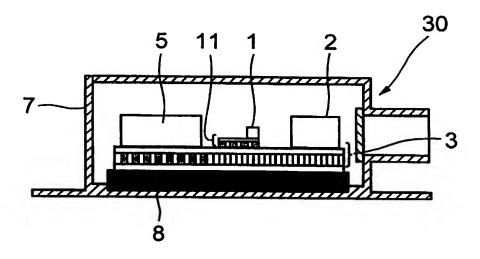


FIG. 11

